## DXpedition News

**Antigua - V2** Joe Adams VE3BW will operate **V2/** Jan. 1-29. All bands, including the new bands, mostly CW. He will make a serious effort in the CQ 160-Meter CW test. QSL via his previous call: VE3CPU.

**American Samoa - KH8** **KH8/JA3JA** and **AA5K/KH8** will be active Nov. 29-Dec. 2, and again Dec. 9-10, with JA3JA and JA3JM operating. All bands 160-10, on CW, RTTY, and SSB. QSL to JA3JM.

**Niue - ZK2** **ZK2XI** (JA3JA) and **ZK2XJ** (JA3JM) will be active Dec. 2-9 from Niue. All bands 160-10, on CW, RTTY, and SSB. QSL to JA3JM.

**Netherland Antilles - PJ** Dave Robinson G4FRE will operate as **PJ4/WG3I** to Nov. 22, mainly 40- and 15-meter CW. QSL via G4FRE via the RSGB bureau, or direct to Dave at 120 Gravel Hill Close, Bexley, Heath, Kent DA6 7PY, England. **Don't** send cards via WG3I.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

## CQWW CW Contest DXpeditions

▪ **P4ØW** is John Crovelli W2GD, back for another shot at the single-op, all-band crown. John will be on 160 meters on the hour, and 80 on the half-hour, during his night: 22-1100Z. Outside the test, Nov. 23-Dec. 1, he'll be on the new bands. QSL to N2MM.

▪ **J37H** is Tim Totten KJ4VH, in a single-op, 15-meter effort. He will operate the ARRL SSB SS the previous weekend from **/KP2**. QSL home call.

▪ **T32BE** is Paul WC5P Nov. 25-Dec. 6. In addition to his single-op entry in the test, he'll be on CW on all bands, including the new bands, outside the test. QSL to WC5P.

▪ **ZS6EZ** (ex-ZS6BCR) will make a serious all-band entry in the test; QSL via P. O. Box 4485, Pretoria 0001 RSA.

▪ **V47KP** is K2DOX; see Issue 658.

▪ **6V6U** will be operated by K3IPK. QSL K3IPK.



## CQWW CW DXpeditions, Continued

▪ **BY1BJ** will be operated by F6FYA and his wife FD1SQM.

▪ **GDØPWW** is W3TB; QSL home call.

▪ **D44BC** will be operated by Jim Neiger N6TJ as a single-op on all bands. QSL D44BC.

▪ **FS/AI7B** is Bob Wruble on St. Martin. QSL to 14020 SW Pleasant Valley Road, Beaverton OR 97007. SASE and donation appreciated.

▪ **4M2T** is José Nunes CT1BOH in a single-op, all-band operation from the QTH of YV2BYT.

▪ **HD3W** is a 40-meter single-band effort by Cesar Palacios HC3AP; QSL to Cesar at P. O. Box 918, Machala, Ecuador.

▪ **CR5A** (or perhaps CR5N) will be Brian G4ODV in the CW test, and later in the ARRL 10-meter test. QSL CBA.

▪ **P4ØJ** is WX4G; QSL home call.

▪ **EA8EA** is a single-op, all-band entry by Ville Hiilesmaa OH2MM; QSL home address: Rakuunantie 18 A 14, 00330 Helsinki, Finland.

▪ **KHØAM** returns to seek the multi-multi title, from Saipan, in the Marianas Islands. The Japanese Crazy Contesters Club team is led by Tack Kumagai JE1CKA, who is also the QSL route: Box 22, Mitaka, Tokyo 181, Japan. Sunrise 2025Z; sunset 0745Z.

▪ **LXØRL** is Kari-Pekka Aho OH2PQ, in a 40-meter single-band entry. Before the test, he'll sign **LX/OH2PQ**. QSL home address: Hauptstrasse 2, D-2246 Norderheistedt, Germany.

▪ **FM2GO** is a single-op entry by Lee Fontaine FB1MUX Nov. 22-Dec. 7. QSL home address: Box 124, F-28113 Luce Cedex, France. (Japan DX News.)

▪ **VE2CSI** is a multi-multi operation from CQ Zone 2, with K8NZ, NI8L, and others joining some VE2s. QSL KQ8M.

## Shortly Noted

▪ **FT4WD** is FD1NOG at Crozet (AF-008), beginning soon. He's a beginner, so please be patient; he'll be there one year. QSL F6AXX. (DXNS.)

▪ **DL1KVC/p** is Helmar in Antarctica, building a new Antarctic station near DPØGVN (CQ Zone 38). He's often on 14246 kHz at 17-1900Z. (DXNL.)

▪ **5X5WR**: Dr. Wilfried Ruppert DJ5RT returns to Uganda Dec. 2-10. Try 21332 khz at 0845Z. (DXNL.)

▪ **G3FXB**, Al Slater, a member of the CQ Contest Hall of Fame, is a Silent Key.

▪ **SV5/SV9** HA6NA, HA6PX, and HA6ZV will operate from the Greek islands Nov. 26-Dec. 5, on CW, SSB, and RTTY.

▪ **C9RJJ** says he'll try 80 at his sunrise: 0300Z.

▪ **AD6E/KH9** is currently active from Wake.

▪ **SSB Nets:** check-ins: **14227**: (11,22Z) FG5FC 9M8DB 3D2DM HH2B; **14256:** (2330Z) VP8CFM 6W2QF VQ9KC TU4EA; **21335**: (14Z) S79KMB J28GG ZB2AZ GD5UG.

▪ **RTTY: TG9VT** John Troost passed away Nov. 14; he was one of the grand old men of RTTY DXing.

# Propagation

## Forecast and Historical Data

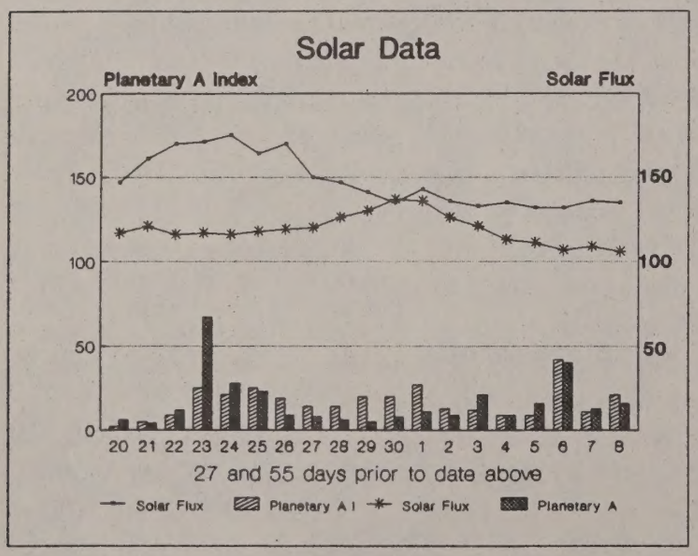
| Day | Forecast | 27 Days Before | | | | 55 Days Before | | | |
|---|---|---|---|---|---|---|---|---|---|
| November 1992 | | Date | Flux | A | K | Date | Flux | A | K |
| 20 | Above Normal | 10/24 | 147 | 01/02 | 0 | 09/26 | 117 | 06/06 | 1 |
| 21 | Above Normal | 10/25 | 161 | 05/05 | 1 | 09/27 | 121 | 03/04 | 1 |
| 22 | Above Normal | 10/26 | 170 | 11/09 | 3 | 09/28 | 116 | 09/12 | 2 |
| 23 | Low Normal | 10/27 | 171 | 21/25 | 3 | 09/29 | 117 | 54/67 | 3 |
| 24 | High Normal | 10/28 | 175 | 20/21 | 2 | 09/30 | 116 | 27/28 | 4 |
| 25 | Low Normal | 10/29 | 164 | 26/25 | 3 | 10/01 | 118 | 21/23 | 3 |
| 26 | High Normal | 10/30 | 170 | 14/19 | 2 | 10/02 | 119 | 11/09 | 2 |
| 27 | High Normal | 10/31 | 150 | 10/14 | 2 | 10/03 | 120 | 05/08 | 2 |
| 28 | High Normal | 11/01 | 147 | 14/14 | 2 | 10/04 | 126 | 06/06 | 1 |
| 29 | Low Normal | 11/02 | 141 | 21/20 | 2 | 10/05 | 130 | 03/05 | 1 |
| 30 | Low Normal | 11/03 | 135 | 17/20 | 2 | 10/06 | 137 | 07/08 | 1 |
| December 1992 | | | | | | | | | |
| 1 | Low Normal | 11/04 | 143 | 16/27 | 2 | 10/07 | 136 | 10/11 | 1 |
| 2 | High Normal | 11/05 | 136 | 12/13 | 2 | 10/08 | 126 | 07/09 | 2 |
| 3 | High Normal | 11/06 | 133 | 12/12 | 2 | 10/09 | 121 | 17/21 | 3 |
| 4 | Above Normal | 11/07 | 135 | 11/09 | 1 | 10/10 | 113 | 09/09 | 1 |
| 5 | Above Normal | 11/08 | 132 | 10/09 | 2 | 10/11 | 111 | 14/16 | 3 |
| 6 | Disturbed | 11/09 | 132 | 24/42 | 3 | 10/12 | 107 | 32/40 | 2 |

## Propagation Watch

The bands continue to be good for DXing. Solar flux is holding steady at about 130. Steady flux makes propagation predictions even more difficult than usual, when the 27.5-day recurrence disappears. However, this level of solar activity is adequate to open 10 and 12 meters to some part of the world during the day. 17 and 15 meters provide good DX on high-latitude paths, and are especially productive in the early morning and late afternoon. The maximum useable frequency (MUF) drops soon after local sunset, but 20 meters remains open for some time. The east-west long path beginning an hour or so before local dawn is another productive time to seek long-haul DX.

The geomagnetic field has been reasonably quiet, improving signal-to-noise ratios on polar and high-latitude paths (such as West Coast to Europe).

Sunspot Region 7321 has returned to the visible side of the sun. This Region produced lots of flares last month, but seems to be less magnetically complex this solar revolution. Other than Region 7321, the sunspots appear to be small, magnetically simple, and inactive. Look for continued good band conditions over the next two weeks.




# CQWW CW Contest Nov. 28-29

| Callsign | Class | Operator(s) | QSL Route | Dates | Ref. |
|---|---|---|---|---|---|
| 4M2T | S/A | CT1BOH | ? | | I664 |
| 4U1VIC | M/S? | DLs | OE-BUREAU | | I662 |
| 6V6U | S/A | K3IPK | K3IPK | | I664 |
| 8P9Z | S/A | K4BAI | K4BAI | 24-1 | I661 |
| 8R1K | S/A | OH0XX | I662 | | I662 |
| BY1BJ | M/S? | F6FYA+ | | | I657 |
| C56/ | ? | Fs | CBAs | | I663 |
| CR5A? | S/A | G4ODV | G4ODV | | I664 |
| D44BC | S/A | N6TJ | D44BC | | I664 |
| EA6/N6RA | S/A | N6RA | N6RA | 20-3 | I663 |
| EA8EA | S/A | OH2MM | OH2MM | | I664 |
| FM2GO | S/A? | FB1MUX | I664 | 22-7 | I664 |
| FS/AI7B | S/A | AI7B | AI7B | | I664 |
| GD4UOL | S/A | G4UOL | G4UOL | 20-5 | I661 |
| GDØPWW | S/A? | W3TB | W3TB | | I664 |
| H44XO/IO | M/S? | Y3s | Y49RO | 23-1 | I661 |
| HBØ/ HB9AON | M/S? | DJ2YE+ | DJ2YE | 23-29 | I663 |
| HD3W | 40M | HC3AP | HC3AP | | I664 |
| J37H | 15M | KJ4VH | KJ4VH | | I664 |
| J7/DL5MAE | S/A | DL5MAE | DL5MAE | 28-12 | QRZ DX |
| JY8VJ | S/A | DL1VJ | DARC | 21-6 | I662 |
| K3TEJ/KP4 | M/S | +WA3WSJ | K3TEJ | 23-1 | I662 |
| KC6SS | S/A? | WV5S | OKDXA | 25-1 | I663 |
| KC6VV | S/A? | NJ1V | OKDXA | 25-1 | I663 |
| KH2S | M/S | JH4RHF+ | JH4RHF | 24-30 | I662 |
| KHØAM | M/M | JAs | JE1CKA | | I664 |
| LXØRL | 40M | OH2PQ | OH2PQ | | I664 |
| P4ØI | S/A | OH2KI | OH2KI | | I662 |
| P4ØJ | S/A? | WX4G | WX4G | | I664 |
| P4ØW | S/A | W2GD | N2MM | 23-1 | I664 |
| PYØF? | S/A | AH3C | AH3C | 26-30 | I663 |
| S79S | M/S | K1XM KQ1F | KQ1F | 24+ | I663 |
| SV5TS | M/S | +W4PRO | SV5TS | 20-29 | I662 |
| T32BE | S/A | WC5P | WC5P | 25-6 | I664 |
| V47KP | S/A | K2DOX | K2DOX | | I658 |
| VE2CSI | M/M | K8NZ+ | KQ8M | | I664 |
| VS6WO | M/M | VS6WO+ | K9EC | | I657 |
| WJ2O/KP4 | S/A | WJ2O | WJ2O | 18-2 | I661 |
| ZC4Z | M/S | MANY | AA7NO | 25-1 | I663 |
| ZS6EZ | S/A | ZS6EZ | ZS6BCR | | I664 |

## Contributors

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# B • A • N • D • P • A • S • S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet. All "portable" calls listed with country of operation first, regardless of format used on the air.*

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 1 | 2 | 3 | 4 | 5 |

## RTTY

| | | | | |
|---|---|---|---|---|
| 9A1CRT | 21087 | 1559 | 9 | MN |
| 9L1JI | 28076 | 1750 | 8 | CA |
| HKØDPA | 14088 | 2305 | 6 | MN |
| HL9AX | 21085 | 0045 | 8 | CA |
| LY2ZZ | 21086 | 1335 | 8 | MN |
| S51CN | 21090 | 1353 | 8 | MN |
| TL8NG | 21084 | 1740 | 7 | ID |
| UAØFZ | 14081 | 0242 | 15 | CA |
| UA1ZJD | 14088 | 1708 | 8 | CA |
| UHØKZ | 14084 | 0335 | 11 | CA |
| VP8CKC | 14085 | 0025 | 11 | CA |
| XX9AS | 28088 | 0130 | 2 | CA |
| YS/ WD4IFN | 28083 | 1638 | 15 | CA |
| ZD8LII | 28094 | 1640 | 15 | CA |
| ZL7AMO | 21087 | 0100 | 12 | CA |

## 160 Meters

| | | | | |
|---|---|---|---|---|
| 9V1ZE | 1824 | 1444 | 15 | CA |
| HFØPOL | 1832 | 0115 | 2 | SC |

## 80 Meters

| | | | | |
|---|---|---|---|---|
| JA1HQT | 3502 | 1050 | 4 | NH |
| KH6CF | 3501 | 1045 | 5 | NH |
| SV9BAI | 3512 | 0020 | 10 | VA |
| UAØXAO | 3502 | 1241 | 8 | MO |
| UA2FCB | 3508 | 0121 | 7 | WV |
| UI8BAA | 3507 | 1245 | 10 | IA |
| VK6HD | 3501 | 1110 | 6 | NH |
| VS6WV | 3508 | 1332 | 15 | CA |
| VY2SS | 3503 | 0137 | 7 | WV |
| 6W6JX | 3798 | 0600 | 7 | IA |

## 75 Meters

| | | | | |
|---|---|---|---|---|
| D44BC | 3787 | 0651 | 15 | NV |
| EA9IE | 3799 | 0639 | 8 | MN |
| HFØPOL | 3791 | 0715 | 7 | IA |
| HH2PK | 3789 | 0528 | 9 | MN |
| HH7PV | 3789 | 0320 | 9 | CA |
| OZ8BV | 3777 | 1514 | 15 | CA |

## 40 Meters

| | | | | |
|---|---|---|---|---|
| 3V8AS ? | 7004 | 2242 | 7 | VA |
| 3XØHNU | 7007 | 2159 | 1 | AL |
| 4K2MAL | 7002 | 0230 | 10 | GA |
| 4N7DW * | 7006 | 1430 | 6 | ID |
| 7P8SR | 7026 | 0302 | 13 | CT |
| 7Q7XX | 7004 | 2236 | 9 | VA |
| C31LL | 7003 | 2220 | 9 | IA |
| C9RJJ | 7009 | 0349 | 4 | WV |
| CT3FT | 7007 | 0744 | 15 | NV |
| FK8GJ | 7006 | 1300 | 4 | IA |
| FR5GL | 7010 | 0200 | 5 | IA |
| HFØPOL | 7010 | 0325 | 5 | IA |
| HJØVGJ | 7007 | 0305 | 9 | GA |
| JW5E | 7004 | 0843 | 6 | WV |
| JW5NM | 7004 | 0330 | 9 | IA |
| OD5/ SP7LSE | 7005 | 0105 | 7 | MN |
| OD5/ SP1MHV | 7004 | 2118 | 4 | NH |
| OY1CT | 7004 | 0432 | 15 | CA |
| PZ1DV | 7004 | 0420 | 6 | KS |
| TL8NG | 7005 | 0442 | 4 | WV |
| TU4SR | 7002 | 2133 | 9 | VA |
| UAØXAO | 7007 | 0421 | 7 | IL |
| UJ8JI | 7005 | 1255 | 6 | IA |
| VR2/WX3N | 7008 | 1242 | 2 | AL |
| Z21HS | 7005 | 0350 | 9 | IA |
| Z21HS | 7002 | 1534 | 15 | CA |
| ZA1Z | 7005 | 2253 | 1 | VA |
| ZL7AMO | 7004 | 1145 | 12 | GA |

## 30 Meters

| | | | | |
|---|---|---|---|---|
| 4LØFWW | 10105 | 0157 | 8 | VA |
| 5NØZKJ | 10101 | 2135 | 2 | SC |
| 6W6JX | 10110 | 0610 | 6 | KS |
| 7P8SR | 10109 | 0227 | 13 | CT |
| EA8QJ | 10105 | 2351 | 7 | VA |
| ESØNW | 10102 | 0419 | 15 | CA |
| HC5AI | 10103 | 1112 | 8 | VA |
| OD5/ SP7LSE | 10105 | 2107 | 3 | NH |
| PZ1DV | 10101 | 0200 | 2 | SC |
| UD6DKW | 10102 | 0350 | 8 | WV |
| ZD8LII | 10105 | 2340 | 7 | GA |
| ZL7AMO | 10102 | 1145 | 10 | GA |

## 20 Meter CW

| | | | | |
|---|---|---|---|---|
| 3B8FG | 14020 | 0125 | 2 | SC |
| 4K1YAR | 14020 | 0110 | 11 | GA |
| 4S7WP | 14029 | 0135 | 11 | UT |
| 7P8SR | 14030 | 0050 | 5 | MA |
| 7Q7XX | 14024 | 1742 | 6 | UT |
| C31CC | 14026 | 1609 | 6 | NH |
| C9RJJ | 14036 | 0109 | 6 | GA |
| EA9UK | 14010 | 2125 | 5 | NH |
| HFØPOL | 14010 | 2315 | 1 | GA |
| HH2PK | 14035 | 0102 | 6 | GA |
| JT1CS | 14041 | 0130 | 11 | GA |
| JU83ØC | 14005 | 1223 | 3 | WV |
| JX7DFA | 14012 | 1208 | 7 | VA |
| KH3AE | 14027 | 1001 | 2 | WV |
| OX3XR | 14020 | 2300 | 9 | ID |
| PZ1DY | 14028 | 0100 | 3 | CA |
| RM8MW * | 14023 | 1453 | 15 | CA |
| RY8I | 14023 | 1501 | 15 | CA |
| UJ8JA | 14007 | 1314 | 8 | WV |
| UJ8JOW | 14028 | 0308 | 15 | CA |
| VQ9AC | 14036 | 2350 | 2 | NH |
| VU2RAK | 14023 | 1348 | 3 | CO |
| VU2XMX * | 14013 | 1529 | 6 | ID |
| ZK1MA | 14057 | 0430 | 6 | KS |
| ZL7AMO | 14027 | 0337 | 12 | CT |

## 20 Meter SSB

| | | | | |
|---|---|---|---|---|
| 1Z9B | 14201 | 1744 | 15 | CA |
| 5N6NEM | 14207 | 2325 | 7 | GA |
| 9V1XQ | 14189 | 1208 | 15 | NV |
| D44AC | 14180 | 2325 | 9 | IA |
| FR5AI/G | 14256 | 1715 | 10 | WA |
| FR5DX | 14197 | 0250 | 8 | GA |
| JT1BG | 14194 | 0107 | 2 | NC |
| JX3EX | 14184 | 1650 | 15 | CA |
| JY4ØCH | 14174 | 1717 | 15 | CA |
| KC4/ KK6KO | 14198 | 0125 | 11 | GA |
| PYØFF | 14191 | 0225 | 8 | GA |
| PYØTSN | 14200 | 0035 | 12 | GA |
| TA1ZA | 14196 | 1516 | 15 | CA |
| TZ6NU | 14245 | 0323 | 15 | CA |
| UH8AAQ | 14226 | 1606 | 10 | WA |
| UL7LC | 14201 | 0350 | 15 | CA |
| VP8CKC | 14215 | 0210 | 11 | GA |
| VP8CLZ | 14216 | 0211 | 6 | CO |
| VP8VN | 14239 | 0051 | 4 | MD |
| VQ9BB | 14224 | 1626 | 4 | MD |
| VR6BX | 14222 | 0300 | 3 | CO |
| ZK1HJ | 14260 | 0500 | 6 | KS |

## 17 Meter CW

| | | | | |
|---|---|---|---|---|
| C31LL | 18079 | 1400 | 8 | CT |
| OX3XR | 18072 | 1335 | 8 | WV |
| ZA1C | 18072 | 1418 | 8 | CT |

## 17 Meter SSB

| | | | | |
|---|---|---|---|---|
| V73EX | 18125 | 0010 | 8 | OR |
| VP8CFM | 18117 | 0022 | 6 | WV |
| ZL7AMO | 18151 | 0132 | 13 | CT |

## 15 Meter CW

| | | | | |
|---|---|---|---|---|
| 3XØHNU | 21020 | 1750 | 15 | CA |
| 6W1AE | 21022 | 1209 | 7 | GA |
| 7P8SR | 21030 | 1935 | 3 | GA |
| 7Q7XX | 21001 | 1340 | 3 | IA |
| C9RJJ | 21025 | 1720 | 3 | IL |
| HJØVGJ | 21010 | 1910 | 1 | SC |
| JU83ØC | 21016 | 0140 | 4 | CA |
| JX7DFA | 21020 | 1412 | 8 | VA |
| OD5/ SP7LSE | 21012 | 1320 | 7 | GA |
| PZ1AV | 21012 | 2020 | 7 | GA |
| US1U | 21032 | 1525 | 5 | NH |
| VP8GAV | 21004 | 0100 | 1 | IL |
| YN/ SMØOIG | 21016 | 1615 | 6 | NH |

## 15 Meter SSB

| | | | | |
|---|---|---|---|---|
| 5V7DP | 21345 | 1902 | 7 | GA |
| 5Z4PL | 21272 | 1930 | 3 | GA |
| 6W6JX | 21276 | 1745 | 7 | GA |
| 7Q7RM | 21345 | 1905 | 8 | GA |
| BZ4RBX | 21222 | 0101 | 5 | CO |
| CN2AQ | 21242 | 1509 | 9 | NJ |
| D44BC | 21250 | 1910 | 9 | VA |
| D68JM | 21245 | 1801 | 6 | MD |
| JX3EX | 21300 | 1337 | 8 | CT |
| JX7DFA | 21295 | 1855 | 7 | GA |
| KH3AF | 21325 | 0054 | 9 | OR |
| OD5ZZ | 21290 | 1744 | 1 | CA |
| SV5TS | 21252 | 1552 | 1 | NH |
| VP8VN | 21345 | 0028 | 9 | OR |
| VR2/WX3N | 21295 | 0048 | 6 | MD |
| XX9AW | 21270 | 1346 | 3 | MD |
| ZD7CRC | 21345 | 1910 | 8 | GA |

## 12 Meter CW

| | | | | |
|---|---|---|---|---|
| 7Q7XX | 24892 | 1527 | 1 | CA |
| 9K2RC | 24905 | 1325 | 8 | VA |
| UD5OLW | 24898 | 1354 | 8 | VA |
| VQ9QM | 24907 | 1458 | 8 | CT |
| ZD8LII | 24893 | 1213 | 8 | VA |

## 10 Meter CW

| | | | | |
|---|---|---|---|---|
| 5NØZKJ | 28007 | 1516 | 7 | IL |
| 7Q7XX | 28012 | 1309 | 3 | NC |
| C9RJJ | 28008 | 1650 | 15 | CA |
| HFØPOL | 28010 | 1525 | 7 | IA |
| HV3JK | 28015 | 1310 | 7 | VA |
| OD5/ SP7LSE | 28006 | 1418 | 7 | GA |
| OY1HJ | 28010 | 1451 | 8 | IL |
| TR8YA | 28040 | 1420 | 2 | CO |
| TU2CI | 28033 | 1729 | 15 | CA |
| VP2MLD | 28041 | 2021 | 7 | GA |
| XQØYAJ | 28010 | 1649 | 15 | CA |
| YN/ SMØOIG | 28013 | 1449 | 8 | IL |
| | 28029 | 1533 | 15 | CA |
| Z21HL | 28010 | 1730 | 7 | WV |

## 10 Meter SSB

| | | | | |
|---|---|---|---|---|
| 3DAØBP | 28482 | 1520 | 6 | IA |
| 5R8DE | 28485 | 1733 | 2 | MD |
| 7Q7JL | 28420 | 1615 | 1 | CA |
| 9K2HA | 28494 | 1245 | 8 | ME |
| 9K2JC | 28465 | 1404 | 6 | MD |
| 9K2YF | 28492 | 1345 | 8 | ME |
| A41JZ | 28478 | 1357 | 7 | CT |
| D2EL | 28475 | 1710 | 8 | IA |
| EA9IE | 28495 | 1507 | 7 | CT |
| FH4EP | 28558 | 1324 | 8 | CT |
| FR5AI/G | 28545 | 1235 | 8 | CT |
| HH2PK | 28485 | 1815 | 8 | ME |
| HH7PV | 28520 | 1453 | 5 | NH |
| J28BG | 28480 | 1154 | 6 | ME |
| J28FO | 28470 | 1305 | 8 | ME |
| J28YC/FH | 28500 | 1422 | 7 | ME |
| OD5/ SP1MHV | 28495 | 1315 | 8 | ME |
| OD5PL | 28509 | 1601 | 2 | MD |
| PYØTSN | 28489 | 2100 | 8 | IA |
| RYØU | 28480 | 1258 | 5 | ME |
| SU1CS | 28483 | 1332 | 7 | ME |
| TA1ZA | 28388 | 1158 | 8 | ME |
| TU2CI | 28575 | 1647 | 15 | CA |
| TU2QW | 28501 | 1219 | 8 | ME |
| TU4SR | 28485 | 1610 | 15 | CA |
| V51GB | 28506 | 1708 | 15 | NV |
| V85BJ | 28485 | 0145 | 2 | CA |
| VR6BX | 28457 | 2253 | 3 | MD |
| YI1MH | 28514 | 1314 | 1 | VA |
| YK1AO | 28517 | 1341 | 6 | MD |
| Z2/W7LN | 28510 | 1630 | 7 | CA |
| ZD7CRC | 28450 | 1935 | 10 | CT |
| ZD8GW | 28506 | 1503 | 7 | IL |
| ZK2XX | 28480 | 2041 | 8 | ME |

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# Current and Future DXpeditions

(Changes and hot info in **boldface**.)

| DXCC Country | Prefix | Callsign | Dates | Issue |
|---|---|---|---|---|
| **American Samoa** | **KH8/** | **JA3s** | **Nov. 29-Dec. 2** | **I664** |
| Antarctica | KC4AAF | | to Feb. 1 | I659 |
| | **DL1KVC/P** | | **14246 17-1900Z** | **I664** |
| **Antigua** | **V2/** | **VE3BW** | **Jan. 1-29** | **I664** |
| **Aruba** | **P4** | **P4ØW** | **Nov. 23-dec. 1** | **I664** |
| Baker, Howland | KH1 | /K9AJ | Jan. 26+ | I662 |
| Bangladesh | S2 | S21A | 14025± kHz 2200Z | I661 |
| **Barbados** | **8P** | **8P9HT/Z** | **Nov. 24-Dec. 1** | **I661** |
| **Belize** | **V3** | **V31RO** | **Nov. 20-27** | **I663** |
| Burkino Faso | XT | XT2BW | 14211 kHz 21Z Sun. | |
| Central Africa | TL | TL8NG | 7026/0330Z | I661 |
| **Chad** | **TT** | **TT8OBO** | **Nov. 10-31** | **I662** |
| **Chatham Island** | **ZL7** | **ZL7AMO** | **Nov. 10-24** | **I663** |
| **China** | **BY** | **BY1BJ** | **CQWW CW** | **I657** |
| Cocos-Keeling | VK9CB | | 2-3 months | I661 |
| Croatia | 9A | ON5AI/ | to May 1993 | I661 |
| **Crozet** | **FT** | **FT4WD** | **soon** | **I664** |
| **Dodecanese** | **SV5** | **SV5TS** | **Nov. 20-30** | **I662** |
| **Eastern Kiribati** | **T32** | **T32VU** | **Nov. 23+** | **I662** |
| | | **T32BI** | **Nov. 25-29** | **I662** |
| | | **T32BE** | **Nov. 25-dec. 5** | **I664** |
| **Fiji** | **3D** | **3D2UF Nov. 22-25** | | **I660** |
| | | 3D2s XO IO QD Dec. 2-4 | | I661 |
| **Gambia** | **C56/** | **Fs** | **Nov. 15-29** | **I663** |
| **Glorioso** | **FR/G** | **FR5AI/G** | **Oct. 15-Nov.30** | **I659** |
| **Grenada** | **J3** | **J37H** | **CQWW CW** | **I664** |
| **Hong Kong** | **VR2/** | **WX3N** | **to Nov. 30** | **I663** |
| | | **F6FYA** | **Nov. 20-28** | **I663** |
| **Isle of Man** | **GD** | **GD4UOL** | **Nov. 20-Dec. 5** | **I661** |
| **Jordan** | **JY** | **JY8VJ** | **Nov. 21-Dec. 6** | **I662** |
| **Lord Howe Island** | | **VK9LD** | **Nov. 18-25** | **I663** |
| **Maldives** | **8Q** | **8Q?** | **Nov. 30-Dec. 7** | **I663** |
| **Marianas** | **KHØ** | **JAs** | **late Nov.** | **I664** |
| **Martinique** | **FM** | **FM2GO** | **Nov. 22-Dec. 7** | **I664** |
| **Midway Island** | **KH4** | **KD7P/** | **late Nov.** | **I663** |
| Minami Torishima | | JA9IPX/JD1 | to Jan. 14 | I659 |
| **Netherland Antilles** | | **PJ4/WG3I** | **to Nov. 22** | **I664** |
| New Caledonia | FK/ | Ys | December | I661 |
| **Niue** | **ZK2** | **XI XJ** | **Dec. 2-9** | **I664** |
| **Norfolk Island** | | **VK9NY** | **mid-Nov.** | **I663** |
| **Puerto Rico** | **KP4** | **WJ2O/** | **Nov. 18-Dec. 2** | **I661** |
| **Rwanda** | **9X** | **9X5AB** | **now active** | **I662** |
| **St. Martin** | **FS** | **FS/AI7B** | **CQWW CW** | **I657** |
| | | **FS/N3NCW** | **Nov. 16-26** | **I663** |
| **Seychelles** | **S7** | **S79S** | **Nov. 24+** | **I663** |
| Singapore | 9V | 9V1XE | to Dec. 31 | I659 |
| | | 9V1YU | 15M 15-1700Z | I661 |
| **Solomon Islands** | **H44** | **XO IO** | **Nov. 23-Dec. 1** | **I661** |
| South Georgia | VP8 | VP8CGK | 14050 kHz 18Z | I661 |
| **Trindade** | **PYØ** | **PTØTSN** | **to Dec. 5** | **I660** |
| **Turks & Caicos** | **VP5/** | **WB8GEX** | **Nov. 21-28** | **I662** |
| Uganda | 5X | 5X5WR | **Dec. 2-10** | **I664** |
| Vietnam | XV | XV7TH | 21295 1300Z | I656 |
| **Wake Island** | **KH9** | **AD6E/** | **Now** | **I664** |
| Wallis Island | FW | FW/Ys | Dec. 5-15 | I661 |

# Resident Amateurs on Regularly

| DXCC Country | Callsign | Freq. | UTC |
|---|---|---|---|
| **Angola** | D2EL | 28480± | 1700Z |
| **Baleric Islands** | EA6NB | 7007 | 0500Z |
| **Central Africa** | TL8BG | 40M CW | 0445Z |
| **Haiti** | HH2PV | 28515± | 1500Z |
| **India** | VU2RAK | 14030± | 1345Z |
| **Iraq** | YI1MH | 28513 | 1300Z |
| **Jan Mayen** | JX3EX | 21300 | 1330Z |
| **Jan Mayen** | JX7DFA | 21015± | 1400Z |
| **Lebanon** | OD5/SP7LSE | 21012 | 1300Z |
| **Lesotho** | 7P8SR | 10109 | 0230Z |
| **Malawi** | 7Q7XX | 21004± | 1345Z |
| **Malawi** | 7Q7XX | 28015± | 13-1700Z |
| **Mauritius Island** | 3B8FG | 14023± | 0130Z |
| **Mayotte** | FH4EP | 10M SSB | 1300Z |
| **Nicaragua** | YN/SMØOIG | 10M CW | 15Z Sun. |

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| | | | |
|---|---|---|---|
| **Nigeria** | 5NØZKJ | 28012± | 1500Z |
| **Senegal** | 6W6JX | 75M | 0600Z |
| **South Shetlands** | HFØPOL | 7012± | 0330Z |
| **Trindade Island** | PYØTSN | 14195± | 0030Z |
| **Turkey** | TA1ZA | 28400 | 1200Z |
| **Zimbabwe** | Z21HS | 7005 | 0400Z |

## Operating Events and DX Gatherings

| Dates | Event | Reference: |
|---|---|---|
| Nov. 21-22 | ARRL SSB SS | QST |
| Nov. 28-29 | CQWW CW Contest | CQ |
| Dec. 4-6 | ARRL 160-Meter Contest | QST |
| Dec. 6 | Finland Independence | I663 |
| Dec. 12-13 | ARRL 10-Meter Contest | QST |